

# Essbase<sup>®</sup> XTD Integration Services 7.1 XML Import/Export

OLAP Metaoutline Document Type Definition (DTD)



# OLAP Metaoutline DTD Table

**Version:** <?xml version="1.0" encoding=UTF-8">  
<!--edited with XML Spy v3.0 NT (<http://www.xmlspy.com>)-->

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ELEMENT MetaOtl (MetaOtlDim*, MetaOtlAttributeDim*, MetaOtlMeasure*, MetaOtlFilter+, MetaOtlProperty*, MetaOtlDTRReport*, MetaOtlMemberPredicate*)>	Indicates that the metadata for an OLAP metaoutline includes dimensions, attribute dimensions, measures, filters, properties, and drill-through information.	The MetaOtl (metaoutline) element consists of the following child elements: <ul style="list-style-type: none"> <li>• MetaOtlDim—Dimensions.</li> <li>• MetaOtlAttributeDim—Attribute dimensions.</li> <li>• MetaOtlMeasure—Data measures.</li> <li>• MetaOtlFilter—Filters.</li> <li>• MetaOtlProperty—Metaoutline properties.</li> <li>• MetaOtlDTRReport—Drill-through report information.</li> <li>• MetaOtlMemberPredicate—Metaoutline data load SQL.</li> </ul>
<!--Values for accessCode: 0 = No access for non-owners, 1 = Read access for non-owners, 2 = Read/Write access for non-owners.-->		
<!--Values for dtPromptDatasource (Prompt for data source during customization of drill-through reports by end user): 0 = No, 1 = Yes.-->		
<!--Values for dtPromptEISServer: 0 = No, 1 = Yes.-->		
<!ATTLIST MetaOtl name CDATA #REQUIRED desc CDATA #IMPLIED accessCode (0   1   2) "2" owner NMTOKEN #IMPLIED datasource CDATA #IMPLIED modelName CDATA #REQUIRED lastChangeTimestamp CDATA #IMPLIED dtPromptDatasource (0   1) "1" dtPromptEISServer (0   1) "1" version (1.9.0.0.0   2.0.0.0.0   6.1.0.0.0   6.2.0   6.5.0   6.5.1   6.5.2   6.5.3   6.5.4   7.0   7.1 ) #REQUIRED>	Provides high-level information about a metaoutline, including security and ownership information.	The attributes of the MetaOtl (metaoutline) element are: <ul style="list-style-type: none"> <li>• name—Each OLAP metaoutline must be saved with a valid name.</li> <li>• desc—OLAP metaoutline descriptions are optional.</li> <li>• accessCode—Defines access to the:               <ul style="list-style-type: none"> <li>0 = Exclusive access for metaoutline creator</li> <li>1 = Read-only access for users other than the creator</li> <li>2 = Read/Write access for users other than the creator (default)</li> </ul> </li> <li>• owner (creator)—The name of the owner of the metaoutline.</li> <li>• datasource—The name of the data source for the OLAP metaoutline.</li> </ul>

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ATTLIST MetaOtl (Continued)		<ul style="list-style-type: none"> <li>• modelName—The name of the OLAP model upon which the metaoutline is based.</li> <li>• lastChangeTimestamp— The last time changes were made to the metaoutline.</li> <li>• dTPromptDatasource—Determines whether end users are prompted for data source information when they customize drill-through reports. Valid values are: 0 = No 1 = Yes</li> <li>• dTPromptEISServer—Determines whether end users are prompted for the Essbase XTD Integration Server name when they customize drill-through reports. Valid values are: 0 = No 1 = Yes</li> <li>• version—Indicates Essbase XTD Integration Services Release 1.9, 2.0, 6.1, 6.2, 6.5, 6.5.1, 6.5.2, 6.5.3, 6.5.4, or 7.0 OLAP Metadata Catalog.</li> </ul>
<!ELEMENT MetaOtlDim (MetaOtlDimMember*, MetaOtlProperty*)>	Indicates the details of a metaoutline dimension.	<p>The MetaOtlDim (metaoutline dimension) element consists of the following child elements:</p> <ul style="list-style-type: none"> <li>• MetaOtlDimMember—Metaoutline dimension members.</li> <li>• MetaOtlProperty—Properties that describe the metaoutline dimension.</li> </ul>
<!--Values for type: 0 = Standard, 1 = Accounts, 2 = User-defined Dimension.-->		

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<pre>&lt;!ATTLIST MetaOtlDim   name CDATA #REQUIRED   desc CDATA #IMPLIED   modelDimName CDATA #IMPLIED   type (0   1   2) "0"&gt;</pre>	<p>Provides information about a dimension in a metaoutline, including the dimension name, the OLAP model dimension with which the dimension is associated (unless it is a user-defined dimension), and the type of dimension.</p>	<p>The attributes of the MetaOtlDim (metaoutline dimension) element are:</p> <ul style="list-style-type: none"> <li>• name—Each metaoutline dimension must have a valid name.</li> <li>• desc—Dimension description is optional.</li> <li>• modelDimName—The name of the corresponding OLAP model dimension, unless the corresponding dimension is a user-defined dimension.</li> <li>• type (0   1   2)—The type of dimension. Valid values are: 0 = Standard (includes the Time dimension) 1 = Accounts 2 = User-defined dimension</li> </ul>
<pre>&lt;!ELEMENT MetaOtlAttributeDim (MetaOtlDimMember*, MetaOtlProperty*)&gt;</pre>	<p>Indicates the details of a metaoutline attribute dimension.</p>	<p>The MetaOtlAttributeDim (metaoutline attribute dimension) element consists of the following child elements:</p> <ul style="list-style-type: none"> <li>• MetaOtlDimMember</li> <li>• MetaOtlProperty</li> </ul>
<pre>&lt;!ATTLIST MetaOtlAttributeDim   name CDATA #REQUIRED   desc CDATA #IMPLIED   modelDimName CDATA #IMPLIED   dataType (Text   Numeric   Boolean   Date) "Text"   baseDimName CDATA #REQUIRED&gt;</pre>	<p>Indicates the details of an attribute dimension in a metaoutline.</p>	<p>The attributes of the MetaOtlAttributeDim (metaoutline attribute dimension) element are:</p> <ul style="list-style-type: none"> <li>• name—Each attribute dimension must have a valid name.</li> <li>• desc—Attribute dimension description is optional.</li> <li>• modelDimName—The name of the corresponding OLAP model dimension name, unless the corresponding dimension is a user-defined dimension.</li> <li>• dataType (Text   Numeric   Boolean   Date). Default = "Text".</li> <li>• baseDimName—The name of the base dimension for the attribute dimension.</li> </ul>

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ELEMENT MetaOtlMeasure (MetaOtlProperty*, MetaOtlMemberPredicate*)>	Indicates the details of data measures for a metaoutline.	<p>The MetaOtlMeasure (metaoutline database measures) element consists of the following child elements:</p> <ul style="list-style-type: none"> <li>• MetaOtlProperty</li> <li>• MetaOtlMemberPredicate</li> </ul>
<!ATTLIST MetaOtlMeasure name CDATA #REQUIRED modelViewName CDATA #IMPLIED modelMemberName CDATA #IMPLIED transformation CDATA #IMPLIED>	Indicates the details of data measures of a metaoutline.	<p>The attributes of the MetaOtlMeasure (metaoutline data measures) element are:</p> <ul style="list-style-type: none"> <li>• name—The database measures name.</li> <li>• modelViewName—The name of the associated view from the OLAP model.</li> <li>• modelMemberName—The name of the associated member in the OLAP model.</li> <li>• transformation—The transformation rule definition to be used by Integration Services.</li> </ul>
<!ELEMENT MetaOtlDimMember (MetaOtlProperty*, MetaOtlMemberPredicate*)>	Indicates the properties of a metaoutline dimension member.	<p>The MetaOtlDimMember (metaoutline dimension member) element consists of the following child elements:</p> <ul style="list-style-type: none"> <li>• MetaOtlProperty—The properties of the metaoutline element.</li> <li>• MetaOtlMemberPredicate—The properties of the predicate associated with the dimension member.</li> </ul>
<!ATTLIST MetaOtlDimMember name CDATA #REQUIRED desc CDATA #IMPLIED modelViewName CDATA #IMPLIED modelMemberName CDATA #IMPLIED transformation CDATA #IMPLIED type (0   1   2) "0" parentMemberName CDATA #IMPLIED>	Indicates the details of a dimension member of a metaoutline.	<p>The attributes of the MetaOtlDimMember (metaoutline dimension member) element are:</p> <ul style="list-style-type: none"> <li>• name—The dimension member name.</li> <li>• desc—Dimension member description is optional.</li> <li>• modelViewName—The name of the associated view from the OLAP model.</li> <li>• modelMemberName—The name of the associated member in the OLAP model.</li> <li>• transformation—The transformation rule definition to be used by Integration Server for the dimension member.</li> </ul>

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ATTLIST MetaOtlDimMember (Continued)		<ul style="list-style-type: none"> <li>• type (0   1   2)—The type of dimension member (default = "0"). Valid values for type: 0 = Standard 1 = User-defined member 2 = Measure</li> <li>• parentMemberName—The parent dimension member name of this dimension member, unless the member is a user-defined dimension.</li> </ul>
<!--transformation—specifies the transformation to be done by Integration Server.-->		
<!--Value for type: 0 = Regular, 1 = User-defined Member, 2 = Measure-->		
<!ELEMENT MetaOtlProperty EMPTY>	Indicates the properties of an OLAP metaoutline element, such as dimension, member (including Hybrid Analysis properties for members), measure, and so on.	The MetaOtlProperties (metaoutline properties) element has no child elements.
<!--In the case of a static property, the staticValue will contain a valid value and viewName and memberName will be blank.-->		
<!--In the case of a dynamic property, the staticValue will be blank and viewName and memberName will contain valid values.-->		
<!--instanceNo specifies the sequence in which properties should be displayed in case a member has more than one property of same kind, such as a UDA.-->		
<!--Attribute_Association_Values. If by level, staticValue attribute will contain the level number. If by member name, viewName will contain the metaoutline dimension name and memberName will contain unique member names.-->		
<!--Comment Properties starting with GS, are Global Settings Properties. For values and description of these properties, please refer to Essbase XTD Analytic Services documentation.-->		

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<p>&lt;!ATTLIST MetaOtlProperty</p> <p>type (Dimension_Type   Consolidation_Attribute   Two_Pass_Calc   Data_Storage_Attribute   Time_Balance   Time_Balance_Skip   Variance_Report   Currency_Conversion   Currency_Conversion_Category   Density   Drill_Down_Attribute   Alias   Default_Bucket Duplicate_Members   MemberSet_Sort_Flag   Sort_Ascending   Sort_Descending   MemberSet_Load_Flag   MemberSet_Load_Cutoff   MemberSet_Recursive_Depth   Formula   Use_Defined_Attribute   Dynamic_Time   Size_Governor   Time_Governor   Partial_View_Flag   Attributes   GS_GEN_BY_NAME   GS_USE_NAME_OF   GS_DELIMITER   GS_DATE_FORMAT   GS_BUCKETING_TYPE   GS_TRUE_STRING   GS_FALSE_STRING   GS_ATTR_CALC_DIM_NAME   GS_SUM_MBR_NAME   GS_MAX_MBR_NAME   GS_MIN_MBR_NAME   GS_COUNT_MBR_NAME   GS_AVERAGE_MBR_NAME   Attribute_Association   RPM_MBRSET_LOADCUTOFF   RPM_SOURCE_DB_CONNECT_OPTION   Metaoutline_Optimization   DT_Template_SQL   DT_Use_Template_SQL   Time_In_Ticks   Version_Identifier   RPM_CATALOG_DSN   RPM_CATALOG_USER   RPM_CATALOG_PWD   RPM_DATASOURCE_DSN   RPM_DATASOURCE_USER   RPM_DATASOURCE_PWD   External_Properties   DT_FILTERS   Member_Default_Valid_Transform     Multi_Alias_Table_1   Multi_Alias_Table_2   Multi_Alias_Table_3   Multi_Alias_Table_4   Multi_Alias_Table_5   Multi_Alias_Table_6   Multi_Alias_Table_7   Multi_Alias_Table_8   Multi_Alias_Table_9   Multi_Alias_Table_10   Multi_Alias_1   Multi_Alias_2   Multi_Alias_3   Multi_Alias_4   Multi_Alias_5   Multi_Alias_6   Multi_Alias_7   Multi_Alias_8   Multi_Alias_9   Multi_Alias_10   DTS_H_T_D   DTS_Y_T_D   DTS_S_T_D   DTS_P_T_D   DTS_Q_T_D  </p> <p>(see next page for remaining types)</p>	<p>Provides information about the property of the metaoutline component. The property may have a static or dynamic value.</p> <ul style="list-style-type: none"> <li>• If the property has a staticValue, the viewName and memberName values are blank.</li> <li>• If the property does not have a static value, the viewName and memberName values are dynamic. They are populated with values from the source database.</li> </ul>	<p>The attributes of the MetaOtlProperty (metaoutline properties) element are:</p> <ul style="list-style-type: none"> <li>• type—Defines the type of component in the metaoutline. See the left column for a complete list of types.</li> </ul> <p>(see next page for remaining attributes)</p>

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<p>&lt;!ATTLIST MetaOtlProperty (<i>continued</i>)</p> <p>type (<i>continued</i>) DTS_M_T_D   DTS_W_T_D   DTS_D_T_D   DT_Use_URL   Essbase_Comments   Currency_Name   Incremental_Load_Timestamp   Multi_Alias_Prefix_suffix_1   Multi_Alias_Prefix_suffix_2   Multi_Alias_Prefix_suffix_3   Multi_Alias_Prefix_suffix_4   Multi_Alias_Prefix_suffix_5   Multi_Alias_Prefix_suffix_6   Multi_Alias_Prefix_suffix_7   Multi_Alias_Prefix_suffix_8   Multi_Alias_Prefix_suffix_9   Multi_Alias_Prefix_suffix_10   Otl_Data_Storage_Model   Meta_Otl_Storage_Validation_State   Show_ASO_Error) #REQUIRED</p> <p>staticValue CDATA #IMPLIED</p> <p>viewName CDATA #IMPLIED</p> <p>memberName CDATA #IMPLIED</p> <p>instanceNo CDATA #REQUIRED&gt;</p>		<p>The remaining attributes of the MetaOtlProperty (metaoutline properties) element are:</p> <ul style="list-style-type: none"> <li>• staticValue—Value of the property.</li> <li>• viewName—View name from the metaoutline.</li> <li>• memberName—From the preceding viewName.</li> <li>• instanceNo—Specifies the sequence in which properties should be displayed, in case a member has more than one property of the same kind, such as more than one UDA.</li> </ul>
<p>&lt;!ELEMENT MetaOtlMemberPredicate EMPTY&gt;</p>	<p>Provides information about members in a metaoutline, including information on measure filters.</p>	<p>The MetaOtlPredicate (metaoutline predicate) element has no child elements.</p>
<p>&lt;!--Values for type: 0 = Regular predicate, 2 = Measure predicate; 4 = Metaoutline data load SQL.--&gt;</p>		
<p>&lt;!ATTLIST MetaOtlMemberPredicate</p> <p>filterName CDATA #REQUIRED</p> <p>definition CDATA #REQUIRED</p> <p>type (0   2   4) "0"&gt;</p>	<p>Indicates the attributes of a member in a metaoutline.</p>	<p>The attributes of the MetaOtlPredicate (metaoutline predicate) element are:</p> <ul style="list-style-type: none"> <li>• filterName—The name of the metaoutline filter to which the predicate belongs.</li> <li>• definition—The predicate definition.</li> <li>• type (0   2   4). Values for type: 0 = Regular predicate (the default) 2 = Measure predicate 4 = Metaoutline data load SQL</li> </ul>
<p>&lt;!ELEMENT MetaOtlFilter EMPTY&gt;</p>	<p>Provides information about a metaoutline filter.</p>	<p>The MetaOtlFilter (metaoutline filter) element has no child elements.</p>



DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<pre>&lt;!ATTLIST MetaOtlFilter   name CDATA #REQUIRED   desc CDATA #IMPLIED&gt;</pre>	<p>Indicates the attributes of a filter in a metaoutline.</p>	<p>The attributes of the MetaOtlFilter (metaoutline filter) element are:</p> <ul style="list-style-type: none"> <li>• name—The name of the filter.</li> <li>• desc—A description of the actions that the filter performs.</li> </ul>
<pre>&lt;!ELEMENT MetaOtlDTRReport (MetaOtlDTMember*, MetaOtlDTIntersection*)&gt;</pre>	<p>Provides information about drill-through reports.</p>	<p>The MetaOtlDTRReport (metaoutline drill-through report) element consists of the following child elements:</p> <ul style="list-style-type: none"> <li>• MetaOtlDTMember—Drill-through member properties.</li> <li>• MetaOtlDTIntersection—Drill-through intersection properties.</li> </ul>
<pre>&lt;!--timeGov—specifies the maximum time in seconds for which the query should run for drill-through reports. Default is 0, meaning unlimited.--&gt;</pre>		
<pre>&lt;!--rowGov—specifies the maximum number of rows to retrieve for drill-through reports. Default is 0, meaning all.--&gt;</pre>		
<pre>&lt;!--customizationAllowed—specifies whether the end user can customize this drill-through report. 0 = No, 1 = Yes--&gt;</pre>		
<pre>&lt;!ATTLIST MetaOtlDTRReport   name CDATA #REQUIRED   desc CDATA #IMPLIED   timeGov CDATA "0"   rowGov CDATA "0"   customizationAllowed (0   1) "0"&gt;</pre>	<p>Indicates the attributes of a drill-through report in a metaoutline.</p>	<p>The attributes of the MetaOtlDTRReport element are:</p> <ul style="list-style-type: none"> <li>• name—The name of the drill-through report.</li> <li>• desc—Drill-through report description.</li> <li>• timeGov—Maximum time in seconds per query. Default 0, meaning unlimited.</li> <li>• rowGov—Maximum number of rows to return per query. Default 0, meaning all rows can be retrieved.</li> <li>• customizationAllowed—Specifies whether customization by the end user is allowed. Valid values are: 0 = Customization not allowed 1 = Customization allowed</li> </ul>
<pre>&lt;!ELEMENT MetaOtlDTMember EMPTY&gt;</pre>	<p>Provides information about the intersection level on which a drill-through column is defined.</p>	<p>The MetaOtlDTMember element has no child elements.</p>

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!--Values for sortOrder: -1 = Not sorted, positive number specifies the position of this column in the Order By clause for drill-through query.-->		
<!--displayOrder—specifies the display order for this member in report starting from left to right.-->		
<!--sortValue—specifies the sorting method: 0 = None, 1 = Ascending, 2 = Descending. This value is valid only if sortOrder is positive.-->		
<!ATTLIST MetaOtIDTMember modelViewName CDATA #REQUIRED modelMemberName CDATA #IMPLIED sortOrder CDATA #REQUIRED displayOrder CDATA #REQUIRED sortValue (0   1   2) "0">	Indicates details about the intersection level on which a drill-through column is defined.	The attributes of the MetaOtIDTMember (metaoutline drill-through member) element are: <ul style="list-style-type: none"> <li>• modelViewName—The name of the associated view from the OLAP model.</li> <li>• modelMemberName—The name of the associated member in the OLAP model view.</li> <li>• sortOrder CDATA:               <ul style="list-style-type: none"> <li>-1 = Not sorted</li> <li>A positive number specifies the position of the column in the Order By clause for drill-through query.</li> </ul> </li> <li>• displayOrder—Specifies the display order in the report for the member, starting from left to right.</li> <li>• sortValue (0   1   2)—Specifies the sorting method. Valid values are:               <ul style="list-style-type: none"> <li>0 = None (the default)</li> <li>1 = Ascending</li> <li>2 = Descending. This value is valid only if sortOrder is positive.</li> </ul> </li> </ul>
<!ELEMENT MetaOtIDTIntersection EMPTY>	Provides information about the intersection level on which a drill-through column is defined.	The MetaOtIDTIntersection (metaoutline drill-through intersection) element has no child elements.

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<pre>&lt;!ATTLIST MetaOtIDTIntersection   dimensionName CDATA #REQUIRED   memberName CDATA #IMPLIED   levelId CDATA "-1"   generationId CDATA "-1"&gt;</pre>	<p>Indicates the attributes of the drill-through intersection in a metaoutline.</p>	<p>The attributes of the MetaOtIDTIntersection (metaoutline drill-through intersection) element. Intersections are based on either a member level or a generation level, not both. The attributes are:</p> <ul style="list-style-type: none"> <li>• dimensionName—Dimension name in the metaoutline where the intersection occurs.</li> <li>• memberName—Member name in the metaoutline where this intersection occurs.</li> <li>• levelId—Indicates the Analytic Services member level where the drill-through is available.</li> <li>• generationId—Indicates the Analytic Services generation level where the drill-through is available.</li> </ul>

**Legend:**

- \* Indicates that there can be more than one child element.
- ? Indicates that there can be zero or one child element.
- + Indicates that there can be one or more child elements.

**Note:**

Light-shaded areas indicate comments in the DTD.